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PRINCETON COLLEGE OF PHARMACY

(Affiliated to JNTUH & Approved by AICTE, PCI, New Delhi)

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REVIEW ON SEVERE ACUTE RESPIRATORY SYNDROME

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ABSTRACT

In early December 2019, an outbreak of coronavirus disease 2019 (COVID-19) due to a novel coronavirus 2 (SARS-CoV-2) with severe acute respiratory syndrome occurred in Wuhan City, Hubei Province, China. On January 30, 2020, the World Health Organization declared the occurrence of a public health emergency of international concern. As of February 14, 2020, 49,053 laboratories have been confirmed and 1,381 deaths have been reported worldwide. Recognizing the risk of getting sick, many governments are implementing a variety of controls. A literature review of publicly available information was conducted to summarize knowledge of pathogens and current epidemics. This literature review explores causal agents, causes and immune responses, epidemiology, diagnosis, disease treatment and management, control and prevention strategies.

OCULAR DRUG DELIVERY SYSTEM

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ABSTRACT

Topical management for ocular therapeutics is good due to smaller doses required in comparison to the systemic use, its fast onset of movement and freedom from systemic toxicity. Topically implemented ocular capsules should attain the internal parts of the attention and transcorneal penetration is thought to be the most important path for drug absorption. Corneal absorption is plenty slower system than elimination. The unique purpose of designing a healing machine is to obtain an greatest awareness of a drug on the energetic web website online for the precise duration. Ideal ophthalmic drug transport have to be capable of maintain the drug launch and to stay withinside the region of the front of the attention for extend duration of time. Consequently it's far vital to optimize ophthalmic drug transport; one of the manner to accomplish that is via way of means of addition of polymers of diverse grades, improvement of in situ gel or colloidal suspension or the usage of erodible or non erodible insert to extend the pre corneal drug retention. This overview centered on managed and sustained drug transport has end up the usual in cutting-edge pharmaceutical layout and numerous viable routes of drug transport into the ocular tissues.